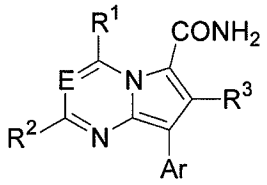
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) A ~~pyrrolopyrimidine or pyrrolotriazine derivative substituted with a carbamoyl group~~ compound represented by the following formula [I]:



[I]

~~(~~wherein E is N or CR^{10};

R^1 is $-OR^4$, $-S(O)_lR^4$ or $-NR^4R^5$;

R^2 is ~~hydrogen,~~ C_{1-6}alkyl~~, C_{3-7}cycloalkyl, C_{3-7}cycloalkyl-C_{1-6}alkyl, halogen, C_{1-6}alkoxy, C_{3-7}cycloalkyloxy, C_{1-6}alkylthio or $-N(R^6)R^7$~~;

R^3 is hydrogen~~, C_{1-6}alkyl, C_{3-7}cycloalkyl, C_{3-7}cycloalkyl-C_{1-6}alkyl or aryl~~;

R^4 and R^5 are the same or different, and independently hydrogen, C_{1-9}alkyl, C_{3-7}cycloalkyl, C_{3-7}cycloalkyl-C_{1-6}alkyl, di(C_{3-7}cycloalkyl)-C_{1-6}alkyl, C_{1-6}alkoxy-C_{1-6}alkyl, di(C_{1-6}alkoxy)-C_{1-6}alkyl, hydroxy-C_{1-6}alkyl, cyano-C_{1-6}alkyl, carbamoyl-C_{1-6}alkyl or di(C_{1-6}alkyl)amino-C_{2-6}alkyl; or R^4 and R^5 are taken together to form $-(CH_2)_m$-A-$(CH_2)_n$- wherein A is ~~methylene, oxygen, sulfur, NR^8 or~~ CHR^9;

~~R^6 and R^7 are the same or different, and independently hydrogen or C_{1-6}alkyl;~~

~~R^8 is hydrogen, C_{1-6}alkyl, C_{3-7}cycloalkyl, aryl or aryl-C_{1-6}alkyl;~~

R^9 is hydrogen, hydroxy, hydroxy-C_{1-6}alkyl, cyano or cyano-C_{1-6}alkyl;

R^{10} is hydrogen~~, halogen or C_{1-6}alkyl~~;

l is an ~~interger~~integer selected from 0, 1 and 2;

m is an integer selected from 1, 2, 3 and 4;

n is an integer selected from 0, 1, 2 and 3;

~~with the proviso, when A is oxygen, sulfur or NR^8, then n is 1, 2 or 3;~~

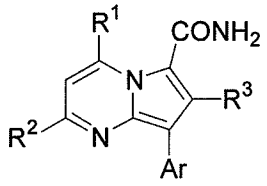
Ar is ~~aryl or heteroaryl~~ phenyl which ~~aryl or heteroaryl~~ phenyl is ~~unsubstituted or~~ substituted with 1 or more substituents, which are the same or different, selected from the group consisting of halogen, C_{1-6}alkyl, ~~C_{3-7}cycloalkyl, C_{2-6}alkenyl, C_{2-6}alkynyl, C_{1-6}alkoxy, C_{1-6}alkylthio, C_{1-6}alkylsulfinyl, C_{1-6}alkylsulfonyl, cyano, nitro, hydroxy, $-CO_2R^{11}$, $-C(=O)R^{12}$, $-CONR^{13}R^{14}$, $-OC(=O)R^{15}$, $-NR^{16}CO_2R^{17}$, $-S(=O)_rNR^{18}R^{19}$,~~ and trifluoromethyl~~, trifluoromethoxy, difluoromethoxy, fluoromethoxy and $-N(R^{20})R^{21}$~~;

~~R^{11} and R^{17} are the same or different, and independently are hydrogen, C_{1-5}alkyl, C_{3-8}cycloalkyl, C_{3-8}cycloalkyl-C_{1-5}alkyl, aryl or aryl-C_{1-5}alkyl;~~

~~R^{12}, R^{13}, R^{14}, R^{15}, R^{16}, R^{18}, R^{19}, R^{20} and R^{21} are the same or different, and independently are hydrogen, C_{1-5}alkyl or C_{3-8}cycloalkyl;~~

~~r is 1 or 2), individual isomers thereof or racemic or non-racemic mixtures of isomers thereof,~~ or pharmaceutically acceptable salts ~~and hydrates~~ thereof.

2. (currently amended) The ~~pyrrolopyrimidine derivative~~ compound ~~substituted with a carbamoyl group~~ according to claim 1 represented by the following formula [II]:



[II]

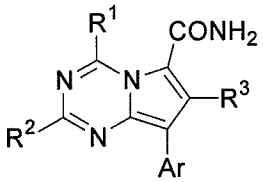
~~(~~wherein R^1, R^2, R^3 and Ar are as defined in claim 1~~), individual isomers thereof or racemic or non-racemic mixtures of isomers thereof~~, or pharmaceutically acceptable salts ~~and hydrates~~ thereof.

3. (currently amended) The ~~pyrrolopyrimidine derivative~~ compound ~~substituted with a carbamoyl group~~ according to claim 2 represented by the formula [II], wherein R^1 is $-OR^4$ or $-NR^4R^5$; ~~R^2 is C_{1-6}alkyl; R^3 is hydrogen or C_{1-6}alkyl;~~ R^4 and R^5 are the same or different, and independently hydrogen, C_{1-9}alkyl, C_{3-7}cycloalkyl, C_{3-7}cycloalkyl-C_{1-6}alkyl, di(C_{3-7}cycloalkyl)-C_{1-6}alkyl, C_{1-6}alkoxy-C_{1-6}alkyl, di(C_{1-6}alkoxy)-C_{1-6}alkyl, hydroxy-C_{1-6}alkyl or cyano-C_{1-6}alkyl; Ar is phenyl which phenyl is substituted with two or three substituents, which are the same or different, selected from the group consisting of halogen, C_{1-3}alkyl, ~~C_{1-3}alkoxy, C_{1-3}alkylthio,~~ and trifluoromethyl, ~~trifluoromethoxy and $-N(R^{20})R^{21}$ (wherein R^{20} and R^{21} are the same or different, and independently are hydrogen or C_{1-3}alkyl), individual isomers thereof or racemic or non-racemic mixtures of isomers thereof,~~ or pharmaceutically acceptable salts ~~and hydrates~~ thereof.

4. (currently amended) The ~~pyrrolopyrimidine derivative~~ compound ~~substituted with a carbamoyl group~~ according to claim 2 represented by the formula [II], wherein R^1 is $-OR^4$ or $-NR^4R^5$; ~~R^2 is C_{1-6}alkyl; R^3 is hydrogen or C_{1-6}alkyl;~~ R^4 is C_{1-9}alkyl, C_{3-7}cycloalkyl, C_{3-7}cycloalkyl-C_{1-6}alkyl, di(C_{3-7}cycloalkyl)-C_{1-6}alkyl, C_{1-6}alkoxy-C_{1-6}alkyl, di(C_{1-6}alkoxy)-C_{1-6}alkyl, hydroxy-C_{1-6}alkyl or cyano-C_{1-6}alkyl; R^5 is hydrogen; Ar is phenyl which phenyl is substituted with two or three substituents, which are the same or different, selected from the group consisting of halogen and C_{1-3}alkyl, ~~individual isomers thereof or racemic or non-racemic mixtures of isomers thereof,~~ or pharmaceutically acceptable salts ~~and hydrates~~ thereof.

5. (currently amended) The ~~pyrrolotriazine derivative~~ compound ~~substituted with a carbamoyl group~~ according to claim 1

represented by the following formula [III]:



[III]

~~(~~wherein R^1, R^2, R^3 and Ar are as defined in claim 1~~), individual isomers thereof or racemic or non-racemic mixtures of isomers thereof~~, or pharmaceutically acceptable salts ~~and hydrates~~ thereof.

6. (currently amended) The ~~pyrrolotriazine derivative~~ compound ~~substituted with a carbamoyl group~~ according to claim 5 represented by the formula [III], wherein R^1 is $-OR^4$ or $-NR^4R^5$; ~~R^2 is C_{1-6}alkyl; R^3 is hydrogen or C_{1-6}alkyl;~~ R^4 and R^5 are the same or different, and independently hydrogen, C_{1-9}alkyl, C_{3-7}cycloalkyl, C_{3-7}cycloalkyl-C_{1-6}alkyl, di(C_{3-7}cycloalkyl)-C_{1-6}alkyl, C_{1-6}alkoxy-C_{1-6}alkyl, di(C_{1-6}alkoxy)-C_{1-6}alkyl, hydroxy-C_{1-6}alkyl or cyano-C_{1-6}alkyl; Ar is phenyl which phenyl is substituted with two or three substituents, which are the same or different, selected from the group consisting of halogen~~,~~ and C_{1-3}alkyl, ~~C_{1-3}alkoxy, C_{1-3}alkylthio, trifluoromethyl, trifluoromethoxy and $-N(R^{20})R^{21}$ (wherein R^{20} and R^{21} are the same or different, and independently are hydrogen or C_{1-3}alkyl), individual isomers thereof or racemic or non-racemic mixtures of isomers thereof,~~ or pharmaceutically acceptable salts ~~and hydrates~~ thereof.

7. (currently amended) The ~~pyrrolotriazine derivative~~ compound ~~substituted with a carbamoyl group~~ according to claim 5 represented by the formula [III], wherein R^1 is $-OR^4$ or $-NR^4R^5$; ~~R^2 is C_{1-6}alkyl; R^3 is hydrogen or C_{1-6}alkyl;~~ R^4 is C_{1-9}alkyl, C_{3-7}cycloalkyl, C_{3-7}cycloalkyl-C_{1-6}alkyl, di(C_{3-7}cycloalkyl)-C_{1-6}alkyl, C_{1-6}alkoxy-C_{1-6}alkyl, di(C_{1-6}alkoxy)-C_{1-6}alkyl, hydroxy-C_{1-6}alkyl or cyano-C_{1-6}alkyl; R^5 is hydrogen; Ar is phenyl which phenyl is substituted with two or three substituents, which are the same or different, selected from the group consisting of halogen and C_{1-3}alkyl, ~~individual isomers thereof or racemic or non-racemic mixtures of isomers thereof,~~ or pharmaceutically acceptable salts ~~and hydrates~~ thereof.

8. (withdrawn-currently amended) A method of antagonizing ~~An antagonist for~~ CRF receptors, comprising ~~a pyrrolopyrimidine or pyrrolotriazine derivative substituted with a carbamoyl group, a~~ contacting the receptors with the compound or pharmaceutically acceptable salts thereof ~~or its hydrate~~ according to claim 1~~, as an active ingredient~~.

9. (withdrawn-currently amended) ~~Use of a pyrrolopyrimidine or pyrrolotriazine derivative substituted with a carbamoyl group, a~~ A method for treating depression, anxiety, Alzheimer's disease, Parkinson's disease, Huntington's chorea, eating disorder, hypertension, gastro diseases, drug dependence, epilepsy, cerebral infarction, cerebral ischemia, cerebral edema, cephalic external wound, inflammation, immunity-related diseases, alopecia, irritable bowel syndrome, sleep disorders, dermatitises, schizophrenia, or pain comprising administering to a subject in need of treatment an effective amount of the compound or pharmaceutically acceptable salts thereof ~~or its hydrate~~ according to claim 1~~, for the manufacture of a therapeutic agent as an antagonist for CRF receptors~~.